## ABSTRACT

A method of generating three-dimensional data includes the steps of inputting multiple images having a first resolution from different viewpoints of an object; storing the input multiple images; performing a resolution conversion of each of the input multiple images to generate converted images having a second resolution that is different than the first resolution; storing the converted images; detecting characteristic areas of the object from at least one of the input multiple images; and constructing three-dimensional data by using data from the input images for the characteristic areas of the object and by using data from the converted images for remaining areas of the object. A device for performing the method is also disclosed.

EP0927949A2